

Workshop on Biometrics and E – Authentication Over Open Networks

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Topic: Liveness Detection for Iris Recognition

Abstract: Assuring the liveness and embeddedness of a biometric feature by detecting attacks with counterfeit eyes is critical to the security of a biometric authentication system. In Iridian's iris recognition deployments, countermeasures are developed and implemented by the manufacturer of the iris imager or by Iridian. In either case, Iridian evaluates the effectiveness of the countermeasures as part of the requirements of its Proof Positive™ iris imager certification program. Countermeasures are evaluated by their false-alarm rate and their penetration rate, which are measured in online and offline tests and reported as confidence intervals.

Biography: Dr. Ulf Cahn von Seelen has worked in the field of iris recognition for eight years, starting at Sensor Inc. in 1997 and continuing with Iridian Technologies Inc. in 2000. At Iridian, he is responsible for the research and development of image and iriscodes processing algorithms.

Dr. Cahn von Seelen received an M.S. in Computer Science (Dipl.-Inf.) from the University of Karlsruhe, Germany, and a Ph.D. in Computer Science from the University of Pennsylvania.